

CATALOGUE OF NORTH AMERICAN PSYCHODIDÆ

By WILLIAM F. RAPP, JR.

In 1905 Aldrich¹ published the last catalogue of North American Diptera. In the family Psychodidæ he listed 34 species, which were distributed in four genera. Table I is a comparison of Aldrich's 1905 catalogue and this catalogue.

TABLE I

| Genus | Aldrich 1905 | Rapp 1943 |
|----------------------|--------------|-----------|
| Flebotomus | | 3 |
| Pericoma | 11 | 13 |
| Psychoda | 21 | 41 |
| Syecorax | 1 | |
| Trichomyia | 1 | 2 |
| No. of species | 34 | 59 |

Since 1905 several workers have been attracted to this family with the result that many changes have arisen in nomenclature, plus the addition of new species. This catalogue has been compiled after a careful survey of the entomological literature. Synonymy is listed wherever it has appeared in the literature. It is interesting to note that of the 34 species listed by Aldrich only 6 have been reduced to synonymy. Of the 54 species described since 1905, 19 have proven to be synonyms.

The North American Psychodidæ, as a whole, are of little economic importance. Certain species of *Flebotomus* are known vectors of tropical diseases, but none of these occur in the North American region. *Psychoda alternata* Say is at times a pest around sewage filter plants.²

The area covered in this paper includes all of America north of Mexico, or the area considered as the Nearctic region based upon zoogeographical division.

¹ Aldrich, John M. "A Catalogue of North American Diptera," *Smithsonian Miscellaneous Collections*, Vol. 46 (1905), p. 1-680.

² Headlee, T. J., and Beckwith, C. S., "Sprinkling Sewage Fly, *Psychoda alternata*," *Jour. Econ. Ent.*, Vol. 11 (1918), p. 395-401.

FLEBOTOMUS* Rondani✓ **Flebotomus diabolicus** Hall.

Phlebotomus diabolicus Hall, Proc. Ent. Soc. Wash., Vol. 38
(1936), p. 28.

Texas.

✓ **Flebotomus texanus** Dampf.

Phlebotomus texanus Dampf, Anales de la Escuela Nacional
de Ciencias Biologicas, Vol. 1 (1938), pp. 119-122.

Texas.

Flebotomus vexator Coquillett.

F. vexator Coquillett, Ent. News, Vol. 18 (1907), p. 102.
Louisiana, Maryland.

PERICOMA Walker**Pericomia bipunctata** Kincaid.

P. bipunctata Kincaid, Ent. News, Vol. 10 (1899), p. 34.
California, Washington.

Pericomia californica Kincaid.

P. californica Kincaid, Ent. News, Vol. 12 (1901), p. 195.
California.

Pericomia carolina Banks.

P. carolina Banks, Bul. Brooklyn Ent. Soc., Vol. 26 (1931),
p. 228.

North Carolina.

Pericomia furcata Kincaid.

P. furcata Kincaid, Ent. News, Vol. 10 (1899), p. 34.
Washington.

Pericomia longiplata Haseman.

P. longiplata Haseman, Trans. Am. Ent. Soc., Vol. 33 (1907),
p. 308.

Arizona.

Pericomia ocellaria var. **americana** Kincaid.

P. ocellaria var. *americana* Kincaid, Ent. News, Vol. 12
(1901), p. 194.

Maine.

Pericomia satellitia Dyar.

P. satellitia Dyar, Proc. Ent. Soc. Wash., Vol. 29 (1927),
p. 163.

Maryland.

* *Phlebotomus* of authors.

Pericoma scala Haseman.

P. scala Haseman, Trans. Am. Ent. Soc., Vol. 33 (1907),
p. 307.

Arizona.

Pericoma sitchana Kincaid.

P. sitchana Kincaid, Ent. News, Vol. 10 (1899), p. 33.
Alaska, Oregon.

Pericoma trialbawhorla Haseman.

P. trialbawhorla Haseman, Trans. Am. Ent. Soc., Vol. 33
(1907), p. 306.

Missouri.

Pericoma triloba Kincaid.

P. triloba Kincaid, Ent. News, Vol. 10 (1899), p. 33.
Washington.

Pericoma truncata Kincaid.

P. truncata Kincaid, Ent. News, Vol. 10 (1899), p. 35.
California.

Pericoma variegata Kincaid.

P. variegata Kincaid, Ent. News, Vol. 10 (1899), p. 33.
Washington.

PSYCHODA Latreille

Psychoda alberta Curran.

P. alberta Curran, Can. Ent., Vol. 56 (1924), p. 219.
Alberta.

Psychoda albipunctata Williston.

P. albipunctata Williston, Ent. News, Vol. 5 (1893), p. 113.
Telmatoscopus meridionalis Eaton, Ent. Mo. Mag. (1894), p.
195.

P. snowii Haseman, Trans. Am. Ent. Soc., Vol. 33 (1907), p.
311-312.

P. erecta Curran, Cat. Ins. Jam. Dept. Agr., Jamaica Ent.
Bul. No. 4, pt. 1 & 2 (1926), p. 102.
Florida, Louisiana, South Carolina, Texas.

Psychoda albitarsis Banks.

P. albitarsis Banks, Can. Ent., Vol. 27 (1895), p. 324.
Maryland, New Jersey, New York, North Carolina, Virginia.
Quebec.

Psychoda alternata Say.

- P. alternata* Say, Long's Exp. St. Peter's River, App. (1824), p. 358.
Tipula phalaemoides Scop., Ent. Carn., No. 864 (1763), p. 324.
Psychoda sexpunctata Curtis, Brit. Ent., Vol. 16 (1839), p. 745.
P. marginepunctata Roser., Corr. Wurt. landro, Ver. 1 (1840), p. 50.
P. schizura Kincaid, Ent. News, 10 (1899), p. 32.
P. floridica Haseman, Trans. Am. Ent. Soc., 33 (1907), p. 316.
P. nocturnala Haseman, Trans. Am. Ent. Soc., 33 (1907), p. 319.
P. bengalensis Brunetti, Rec. Ind. Mus., Vol. 11 (1908), p. 370.
P. albimaculata Welch, Ann. Ent. Soc. Amer., Vol. 5 (1912), p. 411.
P. dakotensis Dyar, Insec. Inscit. Menst., Vol. 14 (1926), pp. 107-110.
California, Connecticut, District of Columbia, Florida, Illinois, Kansas, Maryland, Missouri, New Hampshire, New Jersey, New Mexico, New York, Ohio, Oregon, Pennsylvania, South Dakota, Texas, Virginia, Washington.

Psychoda annulipes Johnson.

- P. annulipes* Johnson, Bul. Amer. Mus. Nat. History, Vol. 32 (1913), p. 43.
Florida.

Psychoda aterrima Banks.

- P. aterrima* Banks, Ent. News, Vol. 25 (1914), p. 128.
New York.

Psychoda augusta Curran.

- P. augusta* Curran, Can. Ent., Vol. 58 (1926), p. 228.
Quebec.

Psychoda autumnalis Banks.

- P. autumnalis* Banks, Ent. News, Vol. 25 (1914), p. 127.
Pericoma littoralis Dyar, Insec. Inscit. Menst., Vol. 14 (1926), pp. 107-110.
Pericoma aldrichana Dyar, Insec. Inscit. Menst., Vol. 14 (1926), pp. 107-110.

California, District of Columbia, Maryland, Virginia.
Alaska.

Psychoda bicolor Banks.

P. bicolor Banks, Can. Ent., Vol. 26 (1894), p. 33.
P. nigra (Banks) Dyar, Proc. Ent. Soc. Wash., Vol. 30
(1928), p. 87.

District of Columbia, Indiana, Maryland, New York.

Psychoda bishoppî Del Rosario.

P. bishoppî Del Rosario, Philippine Jour. Sci., Vol. 59 (1936),
p. 141.
Maryland.

Psychoda cinerea Banks.

P. cinerea Banks, Can. Ent., Vol. 26 (1894), p. 331.
P. elegans Kincaid, Ent. News, Vol. 8 (1897), p. 144.
Threticus compar Eaton, Ent. Mo. Mag. II, Vol. 15 (1904),
p. 57.
P. domestica Haseman, Ent. News, Vol. 19 (1908), p. 285.
P. compar Tonnoir, Ann. Soc. Ent. Belg., Vol. 62 (1922), p.
67.
P. prudens Curran, Can. Ent., Vol. 56 (1924), p. 219.
Connecticut, District of Columbia, Indiana, Maine, Maryland,
Massachusetts, Missouri, New Jersey, New York, Oregon,
Virginia, Washington.
Alberta.

Psychoda criddlei Curran.

P. criddlei Curran, Can. Ent., Vol. 56 (1924), p. 218.
Ontario.

Psychoda degenera Walker.

P. degenera Walker, List of the Specimens of Dipterous Insects
in the Collection of the British Museum, List I
(1848), p. 33.
Ontario.

Psychoda helicis Dyar.

P. helicis Dyar, Proc. Ent. Soc. Wash., Vol. 31 (1929), p. 63.
Maryland.

Psychoda horizontala Haseman.

P. horizontala Haseman, Trans. Am. Ent. Soc., Vol. 33
(1907), p. 313.
Missouri.

Psychoda interdicta Dyar.

P. interdicta Dyar, Proc. Ent. Soc. Wash., Vol. 30 (1928), p. 88.

Maryland, New York.

Psychoda interrupta Banks.

P. interrupta Banks, Proc. Ent. Soc. Wash., Vol. 8 (1907), p. 150.

Maryland.

Psychoda juno Curran.

P. juno Curran, Can. Ent., Vol. 58 (1926), p. 228.

Ontario.

Psychoda longifringa Haseman.

P. longifringa Haseman, Trans. Am. Ent. Soc., Vol. 33 (1907), p. 318.

Florida.

Psychoda marylandana Del Rosario.

P. marylandana, Del Rosario, Philippine Jour. Sci., Vol. 59 (1936), p. 111.

Maryland.

Psychoda megantica Curran.

P. megantica Curran, Can. Ent., Vol. 56 (1924), p. 217.

Quebec.

Psychoda minuta Banks.

P. minuta Banks, Can. Ent., Vol. 26 (1894), p. 331.

Connecticut, New Jersey, New Mexico, New York, Virginia.

Psychoda nigra Banks.

P. nigra Banks, Can. Ent., Vol. 26 (1894), p. 331.

P. marginalis Banks, Can. Ent., Vol. 26 (1894), p. 333.

P. apicalis Banks, Proc. Ent. Soc. Wash., Vol. 8 (1906), p. 148.

P. basalis Banks, Proc. Ent. Soc. Wash., Vol. 8 (1906), p. 149.

Pericoma orillia Curran, Can. Ent., Vol. 56 (1924), p. 218.

P. varitarsis Curran, Can. Ent., Vol. 56 (1924), p. 220.

Maruina nigra (Banks) Dyar, Insec. Inscit. Menst., Vol. 14 (1926), p. 111.

Pericoma apicalis (Banks) Dyar, Insec. Inscit. Menst., Vol. 14 (1926), p. 149.

Connecticut, District of Columbia, Indiana, Maine, Mary-

land, New Hampshire, New Jersey, New York, Ohio, Virginia.

Ontario, Quebec.

Psychoda nitida Banks.

P. nitida Banks, Can. Ent., Vol. 33 (1901), p. 275.

District of Columbia, New York.

Psychoda olympia Kincaid.

P. olympia Kincaid, Ent. News, Vol. 8 (1899), p. 144.

Pericoma olympia (Kincaid) Haseman, Trans. Am. Ent. Soc., Vol. 33 (1907), p. 305.

Washington.

Psychoda opposata Banks.

P. opposata Banks, Can. Ent., Vol. 33 (1901), p. 274.

District of Columbia, Maryland, New York.

Psychoda phalænoides (Linn.) Tonnoir.

Tipula phalænoides Linnaeus, Syst. Nat. ed. 10, No. 32 (1758), p. 588.

P. phalænoides (Linn.) Tonnoir, Ann. Soc. Ent. Belg., Vol. 62 (1922), p. 67.

P. pacifica Kincaid, Ent. News, Vol. 8 (1897), p. 143.

P. tonnoiri Dyar, Insec. Inscit. Menst., Vol. 14 (1926), p. 105.
California, Colorado, District of Columbia, Idaho, Maryland,
New Mexico, Oregon, Washington, Wisconsin.

Alberta, British Columbia.

Alaska.

Psychoda pusilla Tonnoir.

P. pusilla Tonnoir, Ann. Soc. Ent. Belg., Vol. 62 (1922),
p. 83.

Kansas, Maryland.

Psychoda quadripunctata Banks.

P. quadripunctata Banks, Ent. Soc. of Wash., Vol. 8 (1907),
p. 149.

Virginia.

Psychoda scotiæ Curran.

P. scotiæ Curran, Can. Ent., Vol. 56 (1924), p. 216.

Nova Scotia, Quebec.

Psychoda severini Tonnoir.

P. severini Tonnoir, Ann. Soc. Ent. Belg., Vol. 62 (1922),
p. 78.

California, District of Columbia, Maryland, Montana, New Mexico.

British Columbia.

Psychoda sigma Kincaid.

P. sigma Kincaid, Ent. News, Vol. 10 (1901), p. 31.

P. surcoufi Tonnoir, Ann. Soc. Ent. Belg., Vol. 62 (1922), p. 74.

Washington.

Psychoda signata Banks.

P. signata Banks, Can. Ent., Vol. 33 (1901), p. 274.

District of Columbia, Maine.

Psychoda slossoni Williston.

P. slossoni Williston, Ent. News, Vol. 4 (1893), p. 114.

Maine, New York.

Psychoda snowhilli Del Rosario.

P. snowhilli Del Rosario, Philippine Jour. Sci., Vol. 59 (1936), p. 140.

Maryland.

Psychoda squamosa Johnson.

P. squamosa Johnson, Bul. Amer. Mus. Nat. Hist., Vol. 32 (1913), p. 43.

Psychoda superba Banks.

P. superba Banks, Can. Ent., Vol. 26 (1894), p. 332.

District of Columbia, Maryland, Michigan, New Jersey, New York, Virginia.

Psychoda superba var. **conspicua** Del Rosario.

P. superba var. *conspicua* Del Rosario, Philippine Jour. Sci., Vol. 59 (1936), p. 125.

Maryland, Virginia.

Psychoda tridactila Kincaid.

P. tridactila Kincaid, Ent. News, Vol. 19 (1899), p. 32.

Washington.

Psychoda uniformata Heseman.

P. uniformata Heseman, Trans. Am. Ent. Soc., Vol. 33 (1907), p. 319.

Missouri.

Psychoda uniformis Del Rosario.

P. uniformis Del Rosario, Philippine Jour. Sci., 59 (1936),
p. 113.
Maryland.

TRICHOMYIA Haliday

Trichomyia lanceolata Kincaid.

Sycorax lanceolata Kincaid, Ent. News, Vol. 10 (1899), p. 35.
California, Washington.

Trichomyia unipunctata Haseman.

T. unipunctata Haseman, Trans. Am. Ent. Soc., Vol. 33
(1907), p. 323.
Arizona.